

Welcome to the Department of Industrial Engineering and Management (IEM). Our department (founded in 1969) is one of the largest engineering departments in BGU with 30 faculty members and more than 800 undergraduate students, 120 master students and 40 doctoral students.

As a research department, our goal is to engage in cutting-edge applied and theoretical research. As a higher education institution we aim to provide world-class education to our students, and serve the community in the various domains that constitute the field of Industrial Engineering and Management. Indeed, our alumni are hired by many global and local companies, service industries and governmental institutions.

We see 'The field of IEM' as an interdisciplinary endeavor for analyzing, designing and managing complex systems that involve technological, economic, social and psychological aspects. With a diverse excellent team of faculty members we are able to offer a variety of graduate studies opportunities and unique tracks.

M.Sc. tracks

Master of Science in Industrial Engineering with 5 specialty tracks:

- Operational management, operational systems and production
- Intelligent systems
- Applied statistics (optional: focus on Business intelligence (BI) and data science)
- Human Factors engineering
- Traffic safety

Master of Science in Information Systems

This program trains students for professional or research positions as experts specializing in certain aspects of IS (managerial, operational, and/or technological), and combine their IS expertise with abilities in strategic and tactical management. Graduates of the IS acquire knowledge that enables them to address diverse aspects related the fast-progressing multidisciplinary IS field that manufacturing and service organizations confront, like operations (production, automation), management (strategies, policies, decision-making, finance and human resource management), and technology (hardware, networks and software).

Ph.D. in Industrial Engineering and Management

The department encourages outstanding candidates to apply for studies towards the doctorate (Ph.D.) in Industrial Engineering in all fields of research in the department. Ph.D. students belong to the Kreitman school of Advanced Graduate Studies. General information regarding required preconditions, registration, acceptance, and study regulations can be found on the site of the Kreitman school. The doctoral studies focus on independent research. Doctoral students are encouraged and expected to take an active part in research and teaching activities in the department. A precondition for applying to the Ph.D. degree in the department is that a faculty

member in the department with a rank of at least Senior Lecturer agrees to serve as the advisor for the Ph.D. Thus, as a first step towards studying for a Ph.D., applicants need to contact relevant faculty and locate a person who agrees to serve as their advisor. A list of faculty research interests and contact information can be found at the departmental website.

- **We welcome International students. Lectures are given in English when needed.**

Postings for postdoctoral students are also available from time to time and based on the researchers needs.

Incoming International students should also contact the BGU office for International students:

<http://in.bgu.ac.il/en/Global/Pages/default.aspx>

To contact the department directly please email Ms. Shiran Amar at iemoff@bgu.ac.il

Sincerely yours

Prof. Tal Oron-Gilad

Department Chair